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APPLICATION NO. FILING DATE	FIRST NAMED INVENTOR			ATTORNEY DOCKET NO.	
~~00/918, 119 ~~08/27/ 5	77 AHN		В	39611-2	
GRAHAM & JAMES 885 THIRD AVENUE NEW YORK NY 10022	MM11/0820	一	EXAMINER NGO, N		
			ART UNIT 2814	PAPER NUMBER	
			DATE MAILED:	08/20/98	

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

	Application No.	Applicant(s)		
	08/9/18/15	Applicant(s)	Ahn el-me	
Office Action Summary		1	Group Art Unit	
	Examiner PSA~ r	1~	2814	
The MAILING DATE of this communication appear	rs on the cover sheet b	oeneath the co	rrespondence address	
Period for Response				
A SHORTENED STATUTORY PERIOD FOR RESPONSE IS S MAILING DATE OF THIS COMMUNICATION.	ET TO EXPIRE \(\frac{1}{\frac}	C MONTH	H(S) FROM THE	
 Extensions of time may be available under the provisions of 37 CFR 1 from the mailing date of this communication. If the period for response specified above is less than thirty (30) days, If NO period for response is specified above, such period shall, by def Failure to respond within the set or extended period for response will, 	a response within the statut ault, expire SIX (6) MONTHS	ory minimum of thi S from the mailing	irty (30) days will be considered tindate of this communication.	
Status/				
Responsive to communication(s) filed on \(\frac{\cappa - 10}{2}	1 - 9 Y			
☐ This action is FINAL .			•	
☐ Since this application is in condition for allowance except accordance with the practice under <i>Ex parte Quayle</i> , 193:			the merits is closed in	
Disposition of Claims				
Claim(s) i bo 26		is/are p	ending in the application.	
Of the above claim(s) $q + 26$		is/are w	rithdrawn from consideration.	
□ Claim(s)		is/are a	llowed.	
Claim(s) 8	A STATE OF THE STA	is/are re	ejected.	
□ Claim(s)				
☐ Claim(s)		are sub	•	
Application Papers		, oquii o		
☐ See the attached Notice of Draftsperson's Patent Drawing	Review, PTO-948.			
☐ The proposed drawing correction, filed on	is 🗆 approved	\square disapproved		
☐ The drawing(s) filed on is/are object	ted to by the Examiner.			
☐ The specification is objected to by the Examiner.				
☐ The oath or declaration is objected to by the Examiner.				
Priority under 35 U.S.C. § 119 (a)-(d)				
 □ Acknowledgment is made of a claim for foreign priority un □ All □ Some* □ None of the CERTIFIED copies of to □ received. □ received in Application No. (Series Code/Serial Numbers) 	the priority documents h	ave been	·······	
\square received in this national stage application from the Inte	rnational Bureau (PCT I	Rule 1 7.2(a)).		
*Certified copies not received:			·	
Attachment(s)				
Information Disclosure Statement(s), PTO-1449, Paper N	o(s). 4 🖂	nterview Summ	ary, PTO-413	
Notice of References Cited, PTO-892		Notice of Inform	al Patent Application, PTO-1	
☐ Notice of Draftsperson's Patent Drawing Review, PTO-94	8 🗀	Other		
A40	Action Summary			

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The response filed August 10, 1998 has been entered and made of record as paper no. 6.

Applicant's election of claims 1-8 in Paper No. 6 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 2, 5, and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wei et al..

Wei discloses in figures 15 a thin-film transistor comprising a substrate(12), a gate having a first metal layer(14) and a second metal layer(16), a first insulating layer(28), a semiconductor layer(30), an ohmic contact layer(32), a source and drain electrodes(36), and a second insulating layer(48). Wei teaches on lines 8 of column 9 "a fraction of a micron to several microns".

Therefore, it would have been obvious that 1 to 4 microns claimed by Applicants are within the range taught by Wei.

Claims 3, 4, 7, and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wei et al as applied to claims 1, 2, 5, and 6 above, and further in view of Miyago et al(cited by Applicants).

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Miyago teaches the gate including a first layer formed of Al and a second layer formed of Mo. It would have been obvious to one of ordinary skill in the art to use the teachings of Wei and Miyago to form the claimed device.

The other references are cited to show other structures pertinent to Applicants' disclosure.

Any inquiry concerning this communication should be directed to Examiner Ngan Ngo at telephone number (703) 308-4938. The fax phone number for the Art unit is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

ym y nh

Ngan Van Ngo Primary Examiner

Ngan Ngo

August 14, 1998